

#5.

Hawaiian Explorations.

D^r 3887 - D^r 3901.

Hy 4131 - Hy 4163.

April 17th - 29th 1902

		2500	
		2600	
		2700	
		2800	
Area	to	2900	3887
"	Hy.	3000	4131
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stevenson

No. *4131* Date *17 Apr 1902*
Sanborn Machine. — Reel.
Turns *142* Cor. + *6* Depth *148* fms
~~Shot or lead~~ *36* #
Bottom *yl. s.*
Bottom temperature *57.8*
No. of thermometer *982133* Cor. *-0.3*
Corrected temperature *57.5*
Air *77°* Surface *77°* Drift
~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9:25.30</i>	<i>9:30.00</i>	0		
<i>26.15</i>	<i>28.00</i>	100		
<i>26.50</i>	<i>9:27.00</i>	<i>142</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*This is marked
end of 151
3886.*

Mokuhooniki Rk. Molokai Channel
 N 76° W. true / 22/10'

OK
 H.C.B.
 in

476 12
 142 6
 354 6
 142
 148

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

HO# 1368.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Staley.

P. O. 22.2

No. 4132 Date 17 Apr 02
Machine. — Reel.

Turns 90 Cor. + 4 Depth 94 fm

Shot or lead 26 lb

Bottom yf. S.

Bottom temperature 70.4

No. of thermometer 98234 Cor. 0

Corrected temperature 70.4

Air 77 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9 57.00	10.00	0		
9 58.00	56.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mokuhooniki Rk, Molokai Channel
 S 37° 30' W. true 3 6/10'

814
 H.O.
 2

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

HO #1368.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Sperry
 No. *3887* Date *17 Apr 1902*
Sigsbee Machine. *1* Reel. *1604*

Turns *502* Cor. + *50* Depth *552 fms*

Shot or Lead *35 lb*

Bottom *glob. M.*

Bottom temperature *39.4*

No. of thermometer *98233* Cor. *+0.1*

Corrected temperature *39.5* *(150° N.)*

Air *76* Surface *74* Drift *(2 5/10' at 1000)*

Trawl or dredge *9 ft. Tanner*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.48.50</i>	<i>11.00.30</i>	0	<i>11.09.30</i>	<i>1.19.25</i>
<i>49.40</i>	<i>59.30</i>	100	<i>13.50</i>	<i>16.00</i>
<i>50.50</i>	<i>58.30</i>	200	<i>16.00</i>	<i>12.20</i>
<i>51.55</i>	<i>57.25</i>	300	<i>22.20</i>	<i>08.40</i>
<i>53.10</i>	<i>56.25</i>	400	<i>25.20</i>	<i>04.45</i>
<i>10.54.10</i>	<i>55.30</i>	500	<i>29.00</i>	<i>1.00.50</i>
		<i>502</i>	<i>32.10</i>	<i>56.40</i>
		600	<i>35.30</i>	<i>53.30</i>
		700	<i>39.45</i>	<i>48.00</i>
		800	<i>43.20</i>	<i>43.30</i>
		900	<i>47.20</i>	<i>39.05</i>
		1000	<i>51.60</i>	<i>34.50</i>
		1100	<i>55.05</i>	<i>29.30</i>
		1200	<i>11.59.15</i>	<i>12.24.45</i>
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

At noon
Clock set ahead
5 m., hence time
down 20 m.

Mokuhooniki Rk., Molokai Channel
S. 15° W. true 88° 10'

OK
J. C. C.

4600 246
502 196
4098 150
502
502

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

No # 1368.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch =

REMARKS:

6 sps. prawns, 1 or 2 of each; crab;
several holothurians; 1 holosaurus.

3 sharks (same sp.) taken, with
remoras attached.

007. *Ar. Hutchinson*
 No. *Dr. 3888*. Date *17 Apr. 02.*
Sigsbee Machine. #1 Reel. *Navy*
 Turns *735* Cor. + *74* Depth *809 fms.*
 Shot ~~or lead~~ *35 lbs.*
 Bottom *fine yk s. Glsb.*
 Bottom temperature *57.4*
 No. of thermometer *98233* Cor. *+0.1*
 Corrected temperature *57.5* *(57.9 m.)*
 Air *78* Surface *74* Drift *1' all the*
 Trawl ~~or dredge~~ *9' Tanner*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.m. DREDGE ROPE.

DOWN.

UP.

<i>1. 26.00</i>	<i>1. 44.10</i>	0	<i>1. 51.10</i>	<i>5: 02.40</i>
<i>27.05</i>	<i>43.00</i>	100	<i>55.10</i>	<i>59.10</i>
<i>28.05</i>	<i>41.45</i>	200	<i>59.00</i>	<i>55.30</i>
<i>29.05</i>	<i>40.40</i>	300	<i>2. 02.30</i>	<i>51.30</i>
<i>30.10</i>	<i>39.40</i>	400	<i>05.55</i>	<i>47.50</i>
<i>31.20</i>	<i>38.35</i>	500	<i>08.40</i>	<i>43.15</i>
<i>32.35</i>	<i>37.30</i>	600	<i>12.10</i>	<i>38.45</i>
<i>33.55</i>	<i>36.25</i>	700	<i>15.30</i>	<i>34.20</i>
<i>1. 34.20</i>	<i>1. 35.50</i>	<i>735</i>	<i>19.10</i>	<i>29.30</i>
		800	<i>23.00</i>	<i>24.40</i>
		900	<i>26.20</i>	<i>18.30</i>
		1000	<i>30.10</i>	<i>08.40</i>
		1100	<i>34.05</i>	<i>4: 02.05</i>
		1200	<i>37.30</i>	<i>54.15</i>
		1300	<i>40.55</i>	<i>45.00</i>
		1400	<i>44.15</i>	<i>34.40</i>
		1500	<i>47.45</i>	<i>24.30</i>
		1600	<i>51.25</i>	<i>14.30</i>
		1700	<i>2. 55.05</i>	<i>05.00</i>
		1800	<i>3. 02.00</i>	<i>3. 03.30</i>
		1835		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks end
of
Dr. 3887

Heavy chain secured
out 35 fms after
stopped.

Mokuhooniki Rk, Molokai Channel
 S 30 W, true 103/101

OK
 H.C.D.
 3

	2500	
	2600	NO # 1368.
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Dye runner broke from line, beam badly shot, net wrecked;			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Catch, in remnants of net:
 1 stenoptyx diaphana; few
 holothuria; sponge fragments;
 gorgonian fragment.

187. *Thermometer*

No. *3089* Date *July 17 1901*

Machine. *Lucas* Reel. *7*

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *74* Surface *74* Drift *1 mile*

Trawl or dredge *2 Nets on Port Beam*

SOUNDING WIRE.

Jan Deane ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
		100		7.13)
		200		7.30)
		300		7.36)
		400		7.51)
		500		8.07)
		600		8.10 CM)
		700		8.20)
		800		8.30)
		900		8.37)
		1000		8.47)
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
17 ^m		3800	
		3900	
15 ^m		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10 ^m 25	Light breeze from E. N. E. Partly clear, smooth sea			
50				
10 ^m 100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch:

REMARKS:

Few sagittae; many small medusae; many young crabs; several worms; several kinds entomostracae; sphaerocyst, not abundant; many salpae; many ctenophores; young macrurans; octopus; many young squillae; many halobates; 12 kinds of fishes.

No.

3890

Date

Machine

Reel.

Turns

68

Cor. +

Depth

71

Shot or lead

26

Bottom

Bottom temperature

No. of thermometer

98233

Cor.

Corrected temperature

Air

70

Surface

74

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.2200

0

8

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

571 50 111 2-110'

oil
st. 0.0
2.5

1 1.0 1.5

116 1.2
68

428 3
2.5
71

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	In heavy swirl, and 2 lengths, double chain tangle swirl, seized to 250 # shot.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Catch:

1 Hydatangoid ; 1 hydroid ;
sponge, coral fragments.

No. *77* Date *188*
Machine. *Reel.*
 Turns *274* Cor. + *9* Depth *28*
~~Shot or lead~~
 Bottom
 Bottom temperature
 No. of thermometer *985* Cor. *0*
 Corrected temperature *44.5*
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 14.

No. *Dr. 3891* Date *10 Nov 02.*
Sigsbee Machine. *1* Reel. *1120*
Turns *424* Cor. + *42* Depth *466 fms*
Shot or lead *35 lbs.*
Bottom *rv. S. brk. Sh. Lav.*
Bottom temperature *40: -*
No. of thermometer *98233* Cor. *+0.1*
Corrected temperature *40.1* *(2899)*
Air *75* Surface *72* Drift *11*
Trawl or dredge *Ship's Dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.20</i>	<i>7.45</i>	0	<i>6.20</i>	<i>7.45</i>
<i>6.25</i>	<i>7.40</i>	100	<i>6.25</i>	<i>7.40</i>
<i>6.30</i>	<i>7.35</i>	200	<i>6.30</i>	<i>7.35</i>
<i>6.35</i>	<i>7.30</i>	300	<i>6.35</i>	<i>7.30</i>
<i>6.40</i>	<i>7.25</i>	400	<i>6.40</i>	<i>7.25</i>
<i>6.45</i>	<i>7.20</i>	500	<i>6.45</i>	<i>7.20</i>
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch:

REMARKS:

2 qts. rounded stones composed of sand, globigerinae, & other shells, stained red; 2 kinds of ophiurans in considerable number; a few dead gastropod shells.

No. *4112* Date *18 Apr 1900*
 Machine. *Recl. 1/2*
 Turns *583* Cor. + *578* Depth *1161*
 Shot or lead *35 lb.*
 Bottom *bk. vol. S. Lav. brk. Sh.*
 Bottom temperature *42.5*
 No. of thermometer *78233* Cor. *0*
 Corrected temperature *43.7*
 Air *76* Surface *71* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

615

P.L. = 66.5

No. *A4. 4135* Date *18 Apr. 02.*

Machine. Reel.

Turns *572* Cor. + *57* Depth *629 fms*

Shot or lead *35 Lbs.*

Bottom *gl. s. Oz.*

Bottom temperature *39. -*

No. of thermometer *98233.* Cor. *+0.1*

Corrected temperature *39.1*

Air *76* Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
		100		
		200		
<i>38.20</i>		300		
<i>39.20</i>		400		
		500		
<i>42.10</i>	<i>10.40</i>	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Hy 4136 Date

Sigsbee Machine 11 Reel Na

Turns 1145 Cor. + 108 Depth 1253 fms

Shot or lead 35 lb

Bottom m. M. vol. S. Glob.

Bottom temperature 35.4

No. of thermometer 9828 Cor. +0.1

Corrected temperature 35.5

Air 75 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.4.30 1:51.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4137* Date *18*

Machine *Reel*

Turns *977* Cor. + *7* Depth *1071*

Shot or lead *35*

Bottom *Silt. fm. s. c.*

Bottom temperature *36*

No. of thermometer *93233* Cor. *+0.1*

Corrected temperature *36.1*

Air *75* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>25.35</i>	<i>51.20</i>	0
<i>26.40</i>	<i>51.23</i>	100
<i>28 =</i>	<i>49.5</i>	200
<i>29.10</i>	<i>48.15</i>	300
<i>30.25</i>	<i>47.10</i>	400
<i>31.45</i>	<i>46.05</i>	500
<i>33</i>	<i>44.45</i>	600
<i>34.10</i>	<i>43.40</i>	700
<i>35.20</i>	<i>42.30</i>	800
<i>37.35</i>	<i>41.15</i>	900
<i>38.20</i>	<i>39.40</i>	977
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
977	246	3600	
3623	152	3700	
	94	3800	
	977	3900	
	1071	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pat Log 757

Hy 4138

Apr. 18 92.

Machine.

Reel.

Turns

Cor. +

64

Depth

762 hrs

Shot or lead

35 110

Bottom

For the same place, 1892

Bottom temperature

38.1

No. of thermometer

95233

Cor.

tail

Corrected temperature

38.1

Air

74

Surface

75

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 32 =	35 =	0		
22.05	37 =	100		
24.20	35.50	200		
25.30	34.55	300		
26.40	33.55	400		
28 =	32.50	500		
29.15	31.45	600		
29.30	31.10	638		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4500	246	3500	
638	182	3600	
3962	64	3700	
	638	3800	
	702	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2272 75.7

No. 227 Date Jan 9 1902
 Machine. Reel.
 Turns 363 Cor. + 36 Depth 399 fms
 Shot or lead 35
 Bottom fm gy s. Silt.
 Bottom temperature 40.7
 No. of thermometer 98233 Cor. +0.1
 Corrected temperature 40.8
 Air 74 Surface 74 Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

08 =	17.50	0
09.10	16.30	100
10.10	15.25	200
11.10	14.25	300
12 =	13.30	363
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
3600	3500	
363	3600	
4237	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4140* Date *Oct 27 1887*Machine. *Sigsbee*Reel. *Hand*Turns *69* Cor. + *7*Depth *76 fms*~~Shot or lead~~*36 #*Bottom *gy S*

Bottom temperature

*71.2*No. of thermometer *98233*Cor. *0*

Corrected temperature

*71.2*Air *77*Surface *74*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*2- 45.15**48.10**46 =**47.20**69*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4600	246	3400	
69	239	3500	
	7	3600	
4531	69	3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

3872

Date

Apr 15 1897

Signature

Machine.

Reel.

Turns

298

Cor. +

30

Depth

338

Shot or lead

36 #

Bottom

gy. gy. 0.0

Bottom temperature

42.50

No. of thermometer

95233

Cor. 0

Corrected temperature

42.5

Air

77

Surface

74

Drift

Trawl or dredge

5/2

Blake

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-14.20

23.10

0

3-32.40

4.14.30

15.35

21.50

100

36.43

38.30

16.35

20.40

200

41.10

43.00

17.35

19.10

298

43.40

45.30

299

47.00

47.30

400

50.40

50.00

500

1.00

16.50

1600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	Catch =			

REMARKS:
1 *Moroco pelus macrolepidotus*; 2 mac-
ruroid fishes; sev holothuria; many
ophiurans; few phormosoma; several
spatangoids; 1 starfish; Compound
ascidian; 3 prawns; 1 maioid
crab; few worms in tubes; 1 denta-
lium; tooth of carcharinus.

Spencer
 No. *4141 164* Date *15.1.1902*
 Machine # *1* Reel. *Star*
 Turns *376* Cor. + *28* Depth *414*
 Shot or lead *35*
 Bottom *gy M 74 N 40.5*
 Bottom temperature
 No. of thermometer *3333* Cor. *+0.1*
 Corrected temperature *40.6*
 Air *75* Surface *74* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>41.57.30</i>	<i>45.40</i>	0		
<i>42.20</i>	<i>53.35</i>	100		
<i>43.10</i>	<i>59.00</i>	200		
<i>44.10</i>	<i>51.45</i>	300		
<i>45.20</i>	<i>51.00</i>	<i>376</i>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
500	205	3300	
276	38	3400	
422	376	3500	
	414	3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4147 SKY Date 18 Oct 1901

Machine. V Reel. V 5054

Turns 177 Cor. + 14 Depth 151

Shot or lead 35 Lbs.

Bottom br N. 14 S. SL.

Bottom temperature 0.62

No. of thermometer 19223 Cor. 0

Corrected temperature 62

Air 75 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
2500	3300	2500
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4143

Date 18 Apr 1907

Machine.

Reel.

Turns 48

Cor. + 0.5

Depth 13

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor. + 0.1

Corrected temperature

Air 75

Surface 74

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0
48
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 0073

Date 11 Apr 02

Machine.

Reel.

Turns

Cor. +

Depth 13 1/2 fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 100.4

no. 1
Ank. 2800

Date 19 Apr. '02.

"Sigsbee Machine." 1. Reel. Navy

Turns 500 Cor. + 20 Depth 220 fms

Shot or lead 36 Lbs.

Bottom fine. sh. 2. R

Bottom temperature 47.5

No. of thermometer 98233. Cor. 0

Corrected temperature 47.5

Air 74. Surface 76. Drift

Trawl or dredge 9

A.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

44.00	44.00	0	7-52.30	21.10
45.00	45.00	100	56.20	10.20
46.00	46.00	200	57.00	
		300	8-02.30	15.10
		400	05.20	
		450	07.10	57.30
		500	19.30	
		550	27.00	24.10
		800		
		900		
		1000		
		1100		
		1200	5-15.00	
		1300	11 55.30	
		1400	11 56.30	
		1500	11 57.00	
Surface net catch		1600 =		
Very poor.		1700		
Few halobates,		1800		
crabs, and copepods.		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Clay and yellow sand,			
50	moderate breeze from			
100	E. S. E. Sea smooth			
200	Trawl = 2 or 3 minidia; 4 ops (few)			
300	prowns; 1 pentagonaster; 1 starfish; few			
400	urchins (2 ops); 1 simple armed astrophys			
500	ton; 1 gorgonian; 1 simple coral; 1			
600	antipatharian; 1 stony coral; 2 hermit			
700	crabs, shells enveloped by anemones;			
800	barnacles attached to urchin spines;			
900	dead dentalium; compound ascidian;			
1000	few ophiurans; 1 crushed spatangoid;			
	sponge fragments.			

REMARKS:

Brick packet from
runners - not
captured - and
signify to me

No. *44* *H/H* Date *Aug 12 1881*

Machine *1* Reel *1*

Turns *315* Cor. + *31* Depth *346 fms*

Shot or lead *36 #*

Bottom *fm wh S.*

Bottom temperature *43.3*

No. of thermometer *72233* Cor. *0*

Corrected temperature *43.3*

Air *76* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9-29.10 44.20
30.10 37.50
31.10 38.45
32.40 37.25
36.00 37.10

0

100

200

300

315

~~400~~

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Trawl of wire
for 300 fms. about 35°

Also marks up
of 300 3893

Laan

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4600	246	3600	
315	215	3700	
4285	31	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *15* 3894 Date *Jan 18-02*
 Machine *11* Reel *Heavy*
 Turns 340 Cor. + 34 Depth 374 fms
 Shot or lead 36
 Bottom *gy S and Sh. R*
 Bottom temperature 42.9
 No. of thermometer 9533 Cor. 0
 Corrected temperature 42.9
 Air *76* Surface *76* Drift *150 rev.*
 Trawl or dredge *10 fms*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-25 ⁰⁰	25 40	0	10-37 ⁰⁰	11-07.30
26 ⁰⁰	22 30	100	42.25	59.00
26.50	21 50	200	43.30	58.30
27.50	30 25	300	44.15	57.10
28.20	29 50	340	52.45	47.30
		400	56.15	42.10
		500	11.44	37.30
		600	03.45	22.30
		700	05.10	11-10 ⁰⁰
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Time at turn 4000
11-10 to 810 fms.

OK
405
22

146

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4600	246	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800	no catch - nothing -			
900				
1000				

REMARKS:

Beam trawl frame very badly bent and net almost completely wrecked; came up capsize.
Beam bent nearly double and both runners bent out of shape; almost unusable.

No. 414 Date 1901

Machine. Reel.

Turns 36 Cor. + Depth 40 fms

Shot or lead 35 #

Bottom c. brk. sh.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 72 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1146* Date *July 18 05*
Sigsbee Machine. / Reel. *21*
 Turns *108* Cor. + *10* Depth *118 fms*
 Shot ~~or lead~~ *Co. R.*
 Bottom
 Bottom temperature
 No. of thermometer *48233* Cor. *0*
 Corrected temperature *66.5*
 Air *72* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

27.10
21.630
108
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
2500	2500	3100	
108	2500	3200	
1.02	108	3300	
	108	3400	
	108	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10,47.00	13.10	0	11.55.00	4.02.10
11.10	12.55	100	12.05.00	4.02.10
12.10	12.40	200	12.15.00	4.02.10
13.10	12.25	300	12.25.00	4.02.10
		400		4.02.10
		500		4.02.10
		600		4.02.10
		700		4.02.10
		800		4.02.10
		900		4.02.10
		1000		4.02.10
		1100		4.02.10
		1200		4.02.10
		1300		4.02.10
		1400		4.02.10
		1500		4.02.10
		1600		4.02.10
		1700		4.02.10
		1800		4.02.10
		1900		4.02.10
		2000		4.02.10
		2100		4.02.10
		2200		4.02.10
		2300		4.02.10
		2400		4.02.10

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Catch in remnants of net: 2 kinds of stony corals; small stones; 2 kinds holothuria; dead lamellibranch shells; sea urchin spines.			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Tr. 55' Bk. from, and flint.
Net total loss altho small
remnant recovered.

Very heavy strain on net.

No. *H. 4147*. Date *28*
Sigsbee Machine. Reel. *Car.*
 Turns *390* Cor. + *39* Depth *429*
 Shot or lead *25 Lbs.*
 Bottom *Glob. fine M.*
 Bottom temperature *40°*
 No. of thermometer *98233* Cor. *-10.1*
 Corrected temperature *40.1*
 Air *72* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.00.00</i>	<i>4.15.00</i>	0		
<i>10.45</i>	<i>18.00</i>	100		
<i>11.45</i>	<i>19.00</i>	200		
<i>12.00</i>	<i>19.00</i>	300		
<i>4.14.50</i>	<i>4.15.00</i>	<i>390</i> 400		
		500		
		600		
		700		
<i>Also marked</i>		800		
		900		
<i>389</i>		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *H. 4148.* Date *28 Feb. 03.*
 Sigsbee Machine, *W.* Reel. *Nar.*
 Turns *634* Cor. + *63* Depth *697 fms.*
 Shot or lead *35*
 Bottom *Glob. fine M.*
 Bottom temperature *38.2*
 No. of thermometer *98233.* Cor. *+0.1*
 Corrected temperature *38.3*
 Air *72* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4. 39.05</i>	<i>4.55.50</i>	0		
<i>40.30</i>	<i>54.</i>	100		
<i>41.35</i>	<i>53.</i>	200		
<i>42.40</i>	<i>52.</i>	300		
<i>43.55</i>	<i>51.</i>	400		
<i>45.15</i>	<i>50.50</i>	500		
<i>46.45</i>	<i>49.50</i>	600		
<i>4. 47.00</i>	<i>4.48.50</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 65.5

507.

No. *Hy 4149*

Date *28*

Machine. Reel.

Turns *18* Cor. + *16*

Depth *762*

Shot or lead *60.00*

Bottom *Lt. br. Y. fine S. G. b.*

Bottom temperature

No. of thermometer *78.232* Cor. *+0.1*

Corrected temperature *36.9*

Air *73* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>5. 16.00</i>	<i>5. 35.30</i>	0
<i>17.00</i>	<i>34.25</i>	100
<i>17.55</i>	<i>33.20</i>	200
<i>18.45</i>	<i>32.15</i>	300
<i>19.45</i>	<i>31.10</i>	400
<i>20.40</i>	<i>30.12</i>	500
<i>21.40</i>	<i>29.15</i>	600
<i>22.45</i>	<i>28.00</i>	700
<i>23.45</i>	<i>27.10</i>	800
<i>5. 24.30</i>	<i>5. 26.00</i>	<i>877</i> 900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
878	165	3600	
3722	86	3700	
	878	3800	
	720	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy. 4150* / Date *28 Apr. '02.**Sigsbee* Machine *N* / Reel. *Navy*Turns *982* Cor. + *96* Depth *1078 fms.*Shot or lead *35 lbs.*Bottom *lt. br. M. fine S. G. bk.*Bottom temperature *36.1*No. of thermometer *98233* Cor. + *0.1*Corrected temperature *36.2*Air *73* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>6.00.00</i>	<i>6.35.25</i>	0		
<i>10.50</i>	<i>34.15</i>	100		
<i>11.45</i>	<i>33.45</i>	200		
<i>12.40</i>	<i>32.15</i>	300		
<i>13.45</i>	<i>31.15</i>	400		
<i>14.55</i>	<i>30.15</i>	500		
<i>16.10</i>	<i>29.15</i>	600		
<i>17.30</i>	<i>28.00</i>	700		
<i>19.05</i>	<i>26.55</i>	800		
<i>20.45</i>	<i>25.55</i>	900		
<i>6.22.30</i>	<i>6.24.00</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

21371		2500	137
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4000	240	3600	
000	150	3700	
3600	15	3800	
	996	3900	
	1092 fms.	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P. S. = 71.5

Am

No. 415 Date 28 Apr. '02.

Sigsbee Machine #1 Reel Navy.

Turns 787 Cor. + 77 Depth 864m.

Shot or lead 60 lbs. #

Bottom G. br. M. S. S. S.

Bottom temperature 57.0

No. of thermometer 01233 Cor. 1.0

Corrected temperature 57.1

Air 72 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.00	2.00	0
11.00	2.00	100
12.00	2.00	200
13.00	2.00	300
14.00	3.04	400
15.00	29.05	500
16.00	27.55	600
17.00	26.50	700
18.10	7.24.50	787
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4500.	24'	3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:
 (*) Shot failed to detach; h
 back.

No. *111* Date *Aug. 11, 1881**Sigsbee* Machine. Reel. *1*Turns *600* Cor. + *50* Depth *650*Shot or lead *60 lbs.*Bottom *H. G. M. S. G. G.*Bottom temperature *37.9*No. of thermometer *98233* Cor. *70*Corrected temperature *38.0*Air *72* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>12.55</i>	<i>21.25</i>		
<i>14.25</i>	<i>21.20</i>	0	
<i>15.50</i>	<i>21.15</i>	100	
<i>17.20</i>	<i>21.10</i>	200	
<i>18.45</i>	<i>21.05</i>	300	
<i>19.40</i>	<i>21.00</i>	400	
<i>20.50</i>	<i>20.55</i>	500	
<i>21.50</i>	<i>20.50</i>	600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

17 ¹¹/₁₀

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
600	3700	786
200	3800	60
	3900	60
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Cat Log 775

No. *4153* Date *Apr 28 02*
Sigsbee Machine. #1 Reel. *Hand*
 Turns *500* Cor. + *50* Depth *638*
 Shot or lead *60 lbs.*
 Bottom *Slb. gy.*
 Bottom temperature *39.0*
 No. of thermometer *55233* Cor. *-0.1*
 Corrected temperature *39.1*
 Air *73* Surface *74* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>15.50</i>	<i>15.50</i>	0		
<i>15.50</i>	<i>15.50</i>	100		
<i>15.50</i>	<i>15.50</i>	200		
<i>15.50</i>	<i>15.50</i>	300		
<i>15.50</i>	<i>15.50</i>	400		
<i>15.50</i>	<i>15.50</i>	500		
<i>15.50</i>	<i>15.50</i>	<i>550</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

N 26 45 W. 5

19 2/10

OK
5000.

4600

246

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *44152*

Date *25 May 12*

Machine *71*

Reel *1*

Turns *410* Cor. + *41*

Depth *451 fms*

Shot or lead *35*

Bottom *fb M. G. S.*

Bottom temperature *40.4*

No. of thermometer *98233*

Cor. *+0.1*

Corrected temperature *40.5*

Air *73*

Surface *74*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

51.40

02.30

0

52.30

01.20

100

53.25

10-00.15

200

54.20

59.10

300

55.20

57.50

400

56.20

57.45

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

N 31° 21' 30" E 2 1/2

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 1115 Date 29 Apr 1901

Machine. Reel.

Turns 19 Cor. + 1 Depth 20

Shot or lead 35

Bottom S. sh.

Bottom temperature 74°

No. of thermometer 98233 Cor. +0.1

Corrected temperature

Air 70 Surface 12 Drift

Trawl/or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-21	10-10	0		
	7:10.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
480	11	3300	
19		3400	
		3500	
	19	3600	
	20	3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

13.2

No. *110* Date *Dec 1911*

Machine. Reel.

Turns *40* Cor. + *2* Depth *42* *7m*

Shot or lead *26*

Bottom *615 94 74-3*

Bottom temperature

No. of thermometer *98233* Cor. *+0.1*

Corrected temperature *74.4*

Air *73* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7:32.10 *7:34.30*

0
10
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

5 N 87° E. 15 mi 15

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *415* Date *27 April '02*

Tanner Machine. — Reel.

Turns *32* Cor. + *1* Depth *33 fms.*Shot or lead *26 lbs.*Bottom *Coralline*Bottom temperature *73.4*No. of thermometer *98283* Cor. *+0.1*Corrected temperature *73.5*Air *73* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.56.00</i>	<i>7.57.45</i>	0		
<i>56.20</i>	<i>57.10</i>	<i>32</i>		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

014
3000
3100

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

un.

(P. 2. = 1. 2. 2.)

No. *Dr. 3896*. Date *20 July 1881*.

Tanner Machine. - Reel. *1* -

Turns *121* Cor. + *5* Depth *126 fms.*

~~Shot or lead~~ *26 lb.*

Bottom *S. fm. S. bk. Sl.*

Bottom temperature *62.1*

No. of thermometer *98233*. Cor. *0*

Corrected temperature *63.1* (*51*)

Air *73*. Surface *74*. Drift

Trawl or dredge *9' Tanner, with*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.15.15</i>	<i>8.20.10</i>	0	<i>8.32.00</i>	<i>9.26.00</i>
<i>16.00</i>	<i>18.00</i>	100	<i>30.20</i>	<i>9.03.00</i>
<i>8.15.15</i>	<i>8.15.00</i>	121 200	<i>34.40</i>	<i>58.40</i>
		250 300	<i>8.37.00</i>	<i>8.56.20</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
496.	12.	3700	
121	7	3800	
375	125	3900	
	125	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch =

REMARKS:

Sepia; few shrimps; few
munidia; Salpae; fragments of
ciphonophore.

No. *Hy 4158*. Date *29 April '02*.*Tanner* Machine. — Reel. —Turns *125* Cor. + *5* Depth *130 fms.*~~Shot or lead~~ *26 Lbs.*Bottom *fine S. brk sh.*Bottom temperature *61.3*No. of thermometer *98233*. Cor. *0*Corrected temperature *61.3*Air *72*. Surface *74*. Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.08.55</i>	<i>9.13.10</i>	0		
<i>09.20</i>	<i>11.40</i>	100		
<i>9.09.50</i>	<i>9.11.20</i>	125 200		
		300		
		400		
		500		
		600		
<i>Also marked</i>		700		
<i>at</i>		800		
<i>12.32.50.</i>		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

496
125
371

12

7

5
125

130 fms.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pa

Page 182

No. *Dr. 3897*. Date *29 April, 1902*

Machine. Reel.

Turns *119* Cor. + *4* Depth *123 fms.*

~~Shot or lead~~ *26 Lbs.*

Bottom *lt. br. fine S.*

Bottom temperature *62.9*

No. of thermometer *98233* Cor.

Corrected temperature *67.9*

Air *72* Surface *71* Drift

Trawl or dredge *9' Tanner with chain*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>9.00</i>	<i>9.00</i>	0	<i>9.00</i>	<i>9.00</i>
<i>4.00</i>	<i>9.00</i>	100	<i>5.00</i>	<i>9.00</i>
<i>9.00</i>	<i>9.00</i>	200	<i>10.00</i>	<i>9.00</i>
		300	<i>10.00</i>	<i>9.00</i>
		400	<i>10.00</i>	<i>9.00</i>
		500		
		600	<i>50.00</i>	
		700		
		800		
<i>Time out on</i>	<i>wire for</i>	900		
<i>10.00</i>	<i>minutes.</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
1146.	12.	3400	
	8	3500	
		3600	
	19	3700	
	123 fms.	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch -

REMARKS:

2 large red prawns; 3 shrimps;
3 muridia; hydroid.

No. *4157* Date *29 April '02.**Sigsbee* Machine. / Reel. *Navy*Turns *122* Cor. + *12* Depth *134 fms.*Shot or lead *35 Lbs.*Bottom *fine br. S. and P. D.*Bottom temperature *61.4*No. of thermometer *7825* Cor. *0*Corrected temperature *61.4*Air *72* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

3597

		2500	10 1/10
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
4 1/2	12	3700	
		3800	
		3900	
	ms.	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *211* Date *29 Dec 1881*
Tanner Machine. Reel.

Turns *111* Cor. + *4* Depth *115 fms.*

Shot or lead *26 Lbs.*

Bottom *fine br. S.*

Bottom temperature *67.*

No. of thermometer *98233* Cor.

Corrected temperature

Air *72* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.15.30 *11.19.05*
16.15 *17.35*
11.16.20 *11.17.25*

0

100

111

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *44 4151* Date *20*Machine. *Reel.*Turns *58* Cor. + *2* Depth *60* fms.Shot or lead *35*Bottom *S. M.*Bottom temperature *71.5*No. of thermometer *78233* Cor. *0*Corrected temperature *71.5*Air *72* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11. 45. 20 *11. 41. 50*

11. 46. 10 *11. 47. 55*

0

58
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
428	3900	
58	4000	
60		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

C. L. 24.2

No. *Hy 4152* Date *27 Jan 02.*

Tanner Machine. — Reel. —

Turns *58* Cor. + *2* Depth *60*Shot or lead *35*Bottom *fine sh. S.*Bottom temperature *72°*No. of thermometer *95235* Cor.Corrected temperature *72°*Air *75* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*12-17.35**20.15**58**18.20**14.20*~~440~~

200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
496	12	3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3895

Date

Machine

Reel

Turns 235 Cor. +

23

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2- 30.45	30.45	0	2- 30.45	
30.31	27.40	100	30.30	
1- 28.30	28.30	200	47.30	
2- 27.40	27.40	235	51.40	
		300	56.00	
		400	3.00.30	
		500	11.00	
		550		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4000	200	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Caught =

REMARKS:

Few sponge spicules; parent of
 octopus; 1 scorpæna semigera;
 few hymenocephalus antæus; 1
 chlorophthalmus provirus; many prawns
 (3 sp); few murex; 1 isopod; 1 tecti-
 branch; 2 small fish; 1 hermit crab;
 pennatulid; salpæ; lamellibranch-

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3.57.30	4.06.50	0	4.11.10	5.37.30
	05.50	100		5.32.30
	10.10	200		5.27.30
4.01.10	14.10	300		5.22.30
		400	26.10	5.17.30
		500	27.50	5.12.30
		550	28.50	5.07.30
		600	29.40	5.02.30
		700	4.40.40	5.10.30
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
40.00	246	3200	
2.57	2.57	3300	
2.59	2.59	3400	
	2.59	3500	
	2.54	3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch =

REMARKS:

1 *Scorpaena semigera*; myctophum;
 mysids (?); many prawns, 3 sps;
 1 isopod; 2 tectibranchs; 1 cepia

No.

900

Date

21 Apr 1902

Machine.

Recl.

Turns

Cor. +

Depth

283 7m

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3 05.47.30	0	15.17.30	7.15.15
11.10 46.30	100	57.10	08.20
12.10 45.30	200	58.10	04.20
14.20 44.40	300	6 04.20	7.53.00
	400	6 08.00	55.00
	500	6 11.00	1.50
	600	6 15.15	6.45.00
	700		
	800		
	900		
	1000		
	1100		
	1200		
	1300		
	1400		
	1500		
	1600		
	1700		
	1800		
	1900		
	2000		
	2100		
	2200		
	2300		
	2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch =

REMARKS:

2 sp. macrurus; 3 promyllantor alcocki;
 1 chlorophthalmus poridius; 3 polyipus;
 1 ophiuran; 1 holothurian; gephyrean;
 3 prawns; few dentalia; 1 puleypod;
 1 gastropod; 1 isopod.

No. 3901 Date Aug 17 02

Machine. Reel.

Turns 2100 Cor. + Depth 2100

Shot or lead

Bottom

Bottom temperature

No. of thermometer 95233 Cor. 0

Corrected temperature

Air 74 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.27.30

0

7.26.00 9.01.30

7.26.30

100

41.40 57.40

7.25.30

200

45.30 53.40

7.24.50

300

49.20 49.20

400

53.40 45.00

500

58.00 40.00

600

8.02.30 36.40

700

8.32.10

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Surface net catch =

Hydromedusae; 2 sp. siphonophores;
 salpae; pagitta; 2 or 3 sp. stomatopods;
 amphipods; copepods; phyllosoma;
 brachyurans; pteropods; several kinds
 of other macrurans; siphonura; little
 sphaerogomus; few kalobates; mycto-
 phum; 2 kinds of larval fishes;
 pegasus.

No.

Hy. 4163

Date

29 Apr. '02

Sigsbee Machine #1 Reel.

Navy

Turns 283 Cor. + 28

Depth 1311 fms.

Shot or lead 35 Lbs.

Bottom gy. S. fine bk. sh.

Bottom temperature

43.1

No. of thermometer

98233. Cor. 0

Corrected temperature

43.1

Air

71.

Surface

74.

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.07.50 9.15.30

08.45 14.20

09.40 13.20

9.11.00 9.12.30

0

100

200

283

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Marked end

850 2901.

Channel

Motuhoniki Rocks

812
510.3
2

S 39° 30' W, 11⁹/₁₀'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.
Hutchinson
No.

Pat Log.

Date *Apr 30-02.*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4 - 60
23 - 35

216 for gr -

7 - 60

42 - 35